

FIG.1

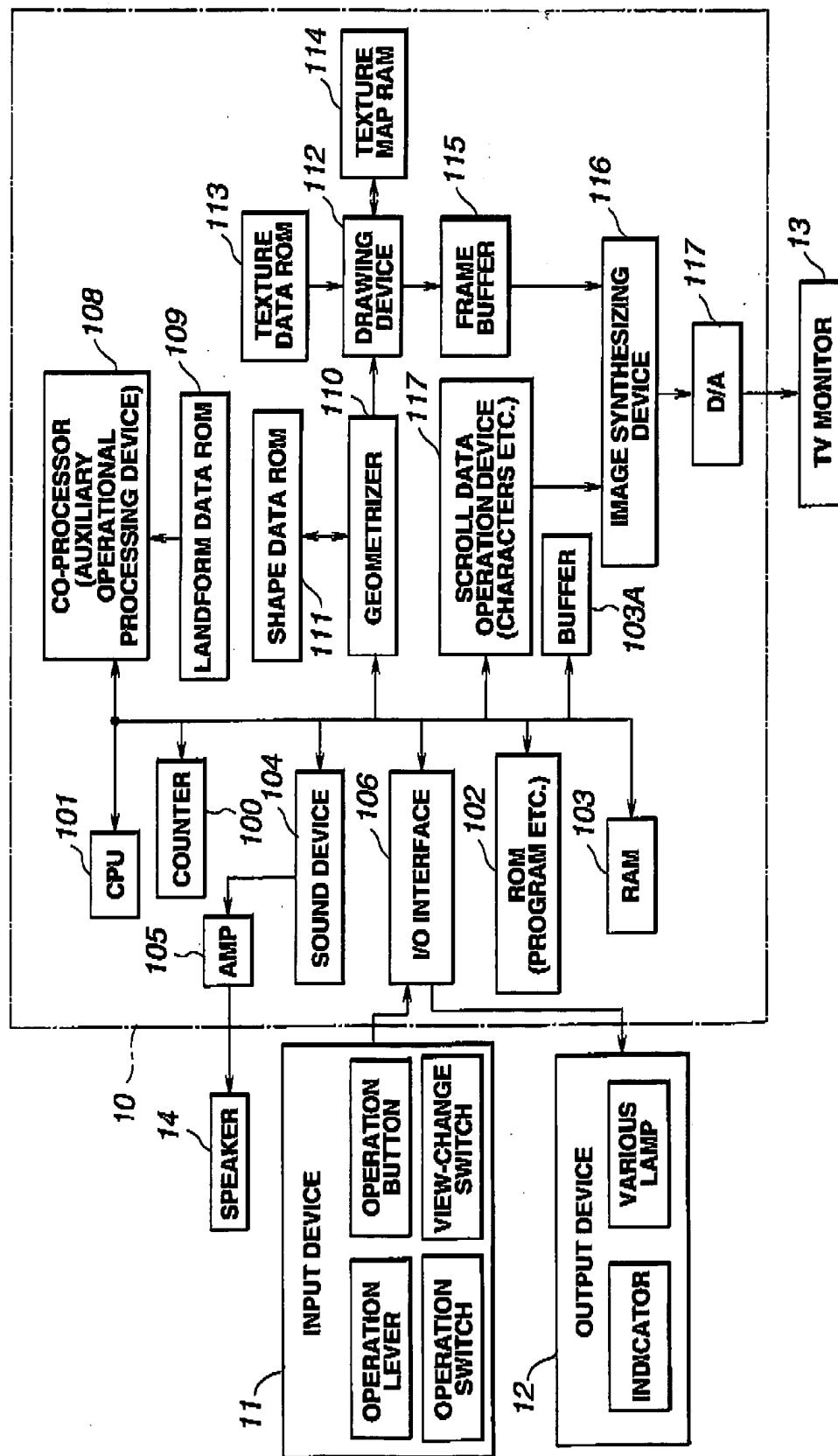


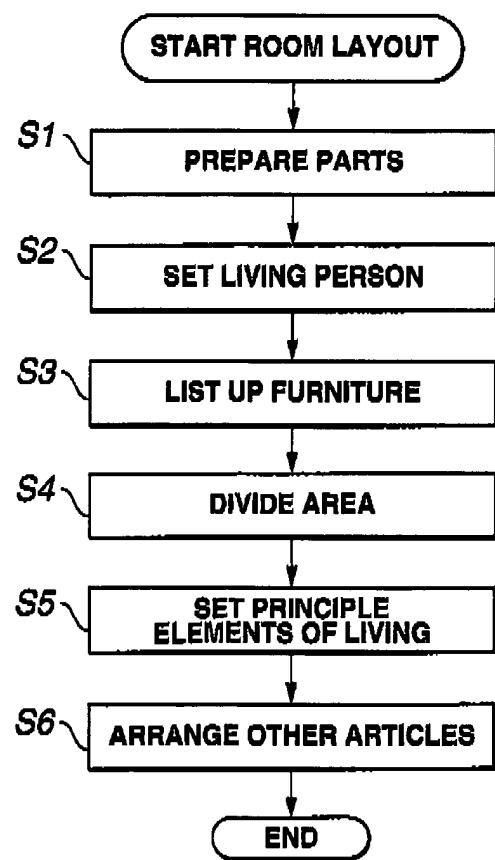
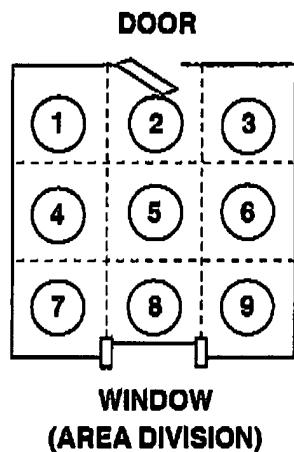
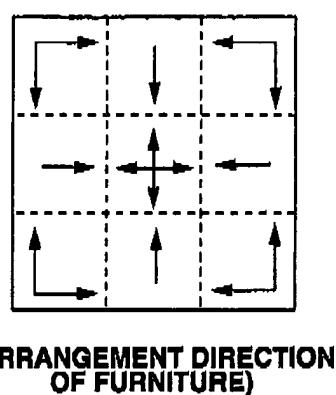
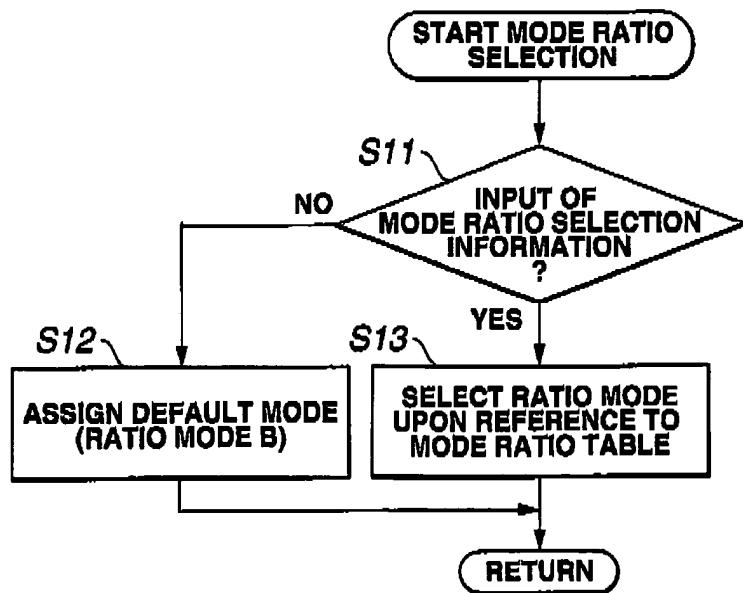
FIG.2

FIG.3(a)**FIG.3(b)****FIG.4**

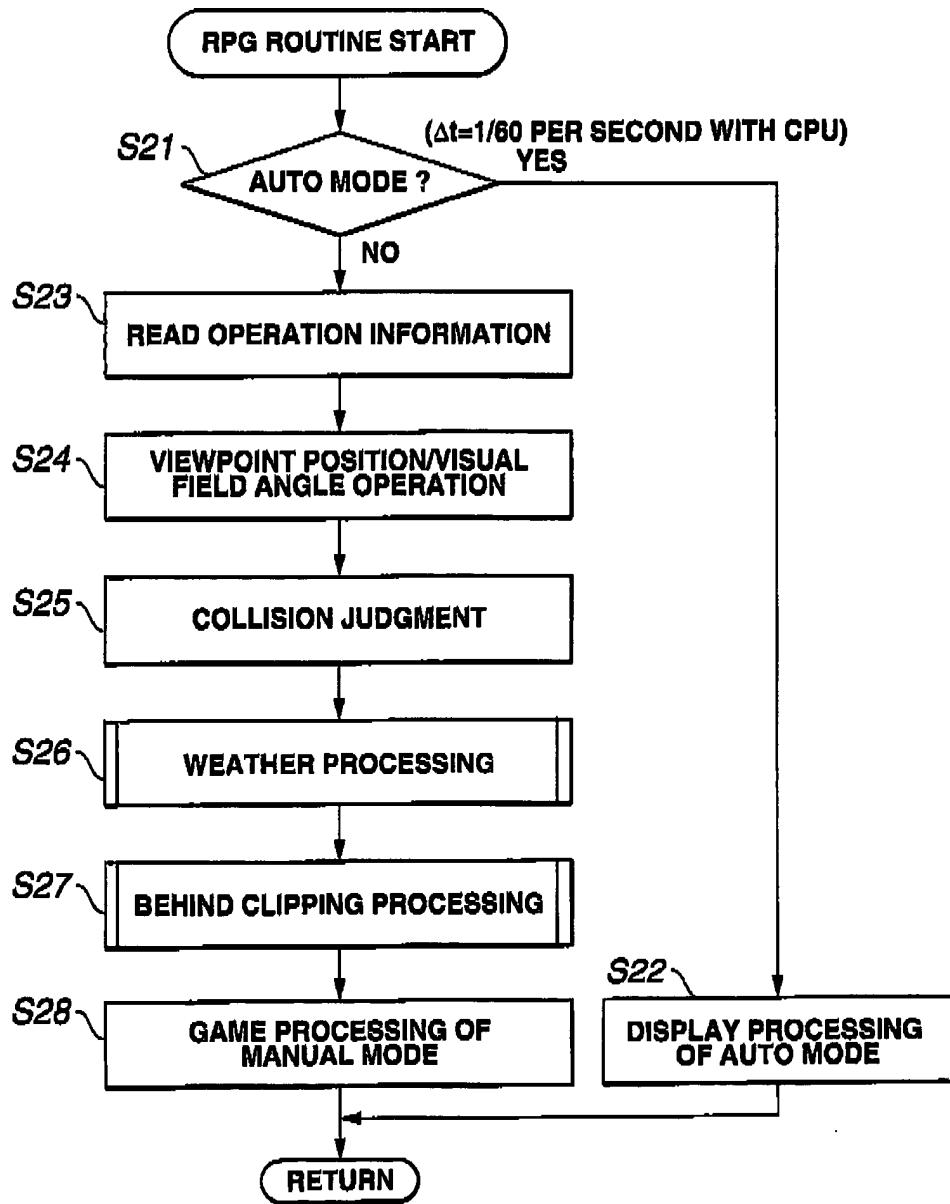
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FIG.5

(MODE RATIO TABLE)

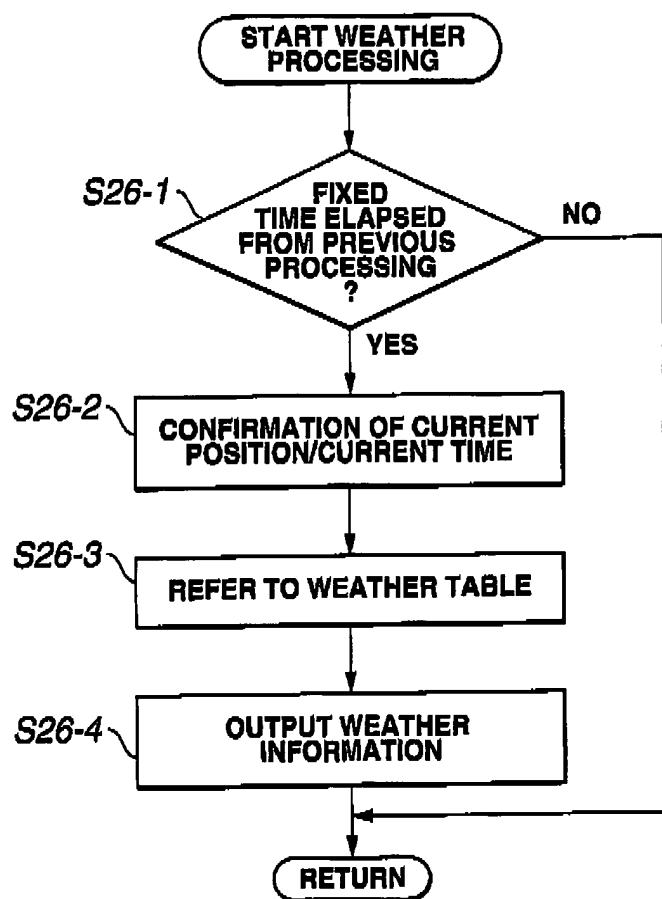
RATIO MODE	LENGTH OF AUTO MODE	LENGTH OF MANUAL MODE	DIFFICULTY
A	SHORT (T_1)	LONG (T_2)	HARD
B	MEDIUM (T_0)	MEDIUM (T_0)	INTERMEDIATE
C	LONG (T_2)	SHORT (T_1)	EASY

$$\left(\begin{array}{l} T_1+T_2=T_0+T_0=FIXED \\ T_1 < T_2 \end{array} \right)$$

FIG.6

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FIG.7



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FIG.8

DATA	TIME	SKY(BACKGROUND)	WEATHER	DEGREE OF WEATHER
JANUARY 1	0:00	NIGHT/CLOUDY	CLOUDY	-
	1:00	NIGHT/CLOUDY	CLOUDY	-
	2:00	NIGHT/CLOUDY	RAIN	LIGHT RAIN
	3:00	NIGHT/CLOUDY	RAIN	LIGHT RAIN
	4:00	NIGHT/CLOUDY	RAIN	MEDIUM RAIN
	5:00	NIGHT/CLOUDY	SLEET	MEDIUM SLEET
	6:00	DAWN/CLOUDY	SNOW	MEDIUM SNOW
	7:00	DAWN/CLOUDY	SNOW	MEDIUM SNOW
	8:00	NOON/CLOUDY	SNOW	MEDIUM SNOW
	9:00	NOON/CLOUDY	SNOW	HEAVY SNOW
	10:00	NOON/CLOUDY	SNOW	HEAVY SNOW
	11:00	NOON/CLOUDY	SLEET	HEAVY SLEET
	12:00	NOON/CLOUDY	RAIN	HEAVY RAIN
	13:00	NOON/CLOUDY	RAIN	HEAVY RAIN
	14:00	NOON/CLOUDY	RAIN	HEAVY RAIN
	15:00	NOON/CLOUDY	RAIN	MEDIUM RAIN
	16:00	EVENING/CLOUDY	RAIN	MEDIUM RAIN
	17:00	EVENING/CLOUDY	RAIN	LIGHT RAIN
	18:00	NIGHT/CLOUDY	RAIN	LIGHT RAIN
	19:00	NIGHT/CLOUDY	CLOUDY	-
	20:00	NIGHT/CLOUDY	CLOUDY	-
	21:00	NIGHT/CLOUDY	CLOUDY	-
	22:00	NIGHT/CLEAR	CLEAR	-
	23:00	NIGHT/CLEAR	CLEAR	-
JANUARY 2	0:00	NIGHT/CLEAR	CLEAR	-
	1:00	NIGHT/CLEAR	CLEAR	-
	2:00	NIGHT/CLEAR	CLEAR	-
	3:00	NIGHT/CLEAR	FOGGY	LIGHT FOG
	4:00	NIGHT/CLEAR	FOGGY	LIGHT FOG
	5:00	NIGHT/CLEAR	FOGGY	DENSE FOG
	6:00	DAWN/CLEAR	FOGGY	DENSE FOG
	7:00	DAWN/CLEAR	FOGGY	LIGHT FOG
	8:00	NOON/CLEAR	FOGGY	LIGHT FOG
	9:00	NOON/CLEAR	CLEAR	-
	10:00	NOON/CLEAR	CLEAR	-
	11:00	NOON/CLEAR	CLEAR	-
	12:00	NOON/CLEAR	CLEAR	SUNNY
	13:00	NOON/CLEAR	CLEAR	SUNNY
	14:00	NOON/CLEAR	CLEAR	SUNNY

FIG.9

4BIT SKY (BACKGROUND)	4BIT WEATHER	8BIT DEGREE OF WEATHER
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FIG.10

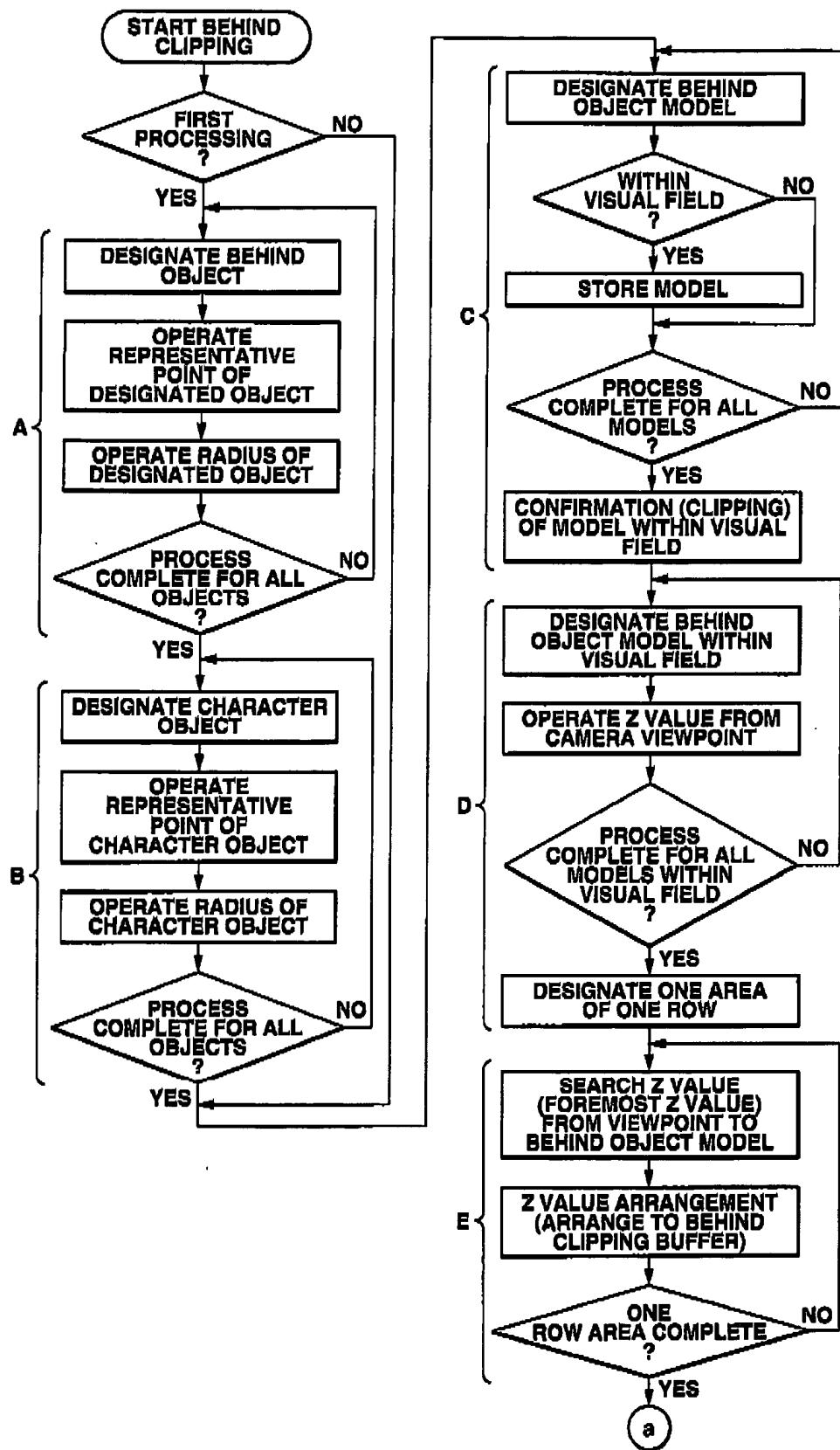


FIG.11

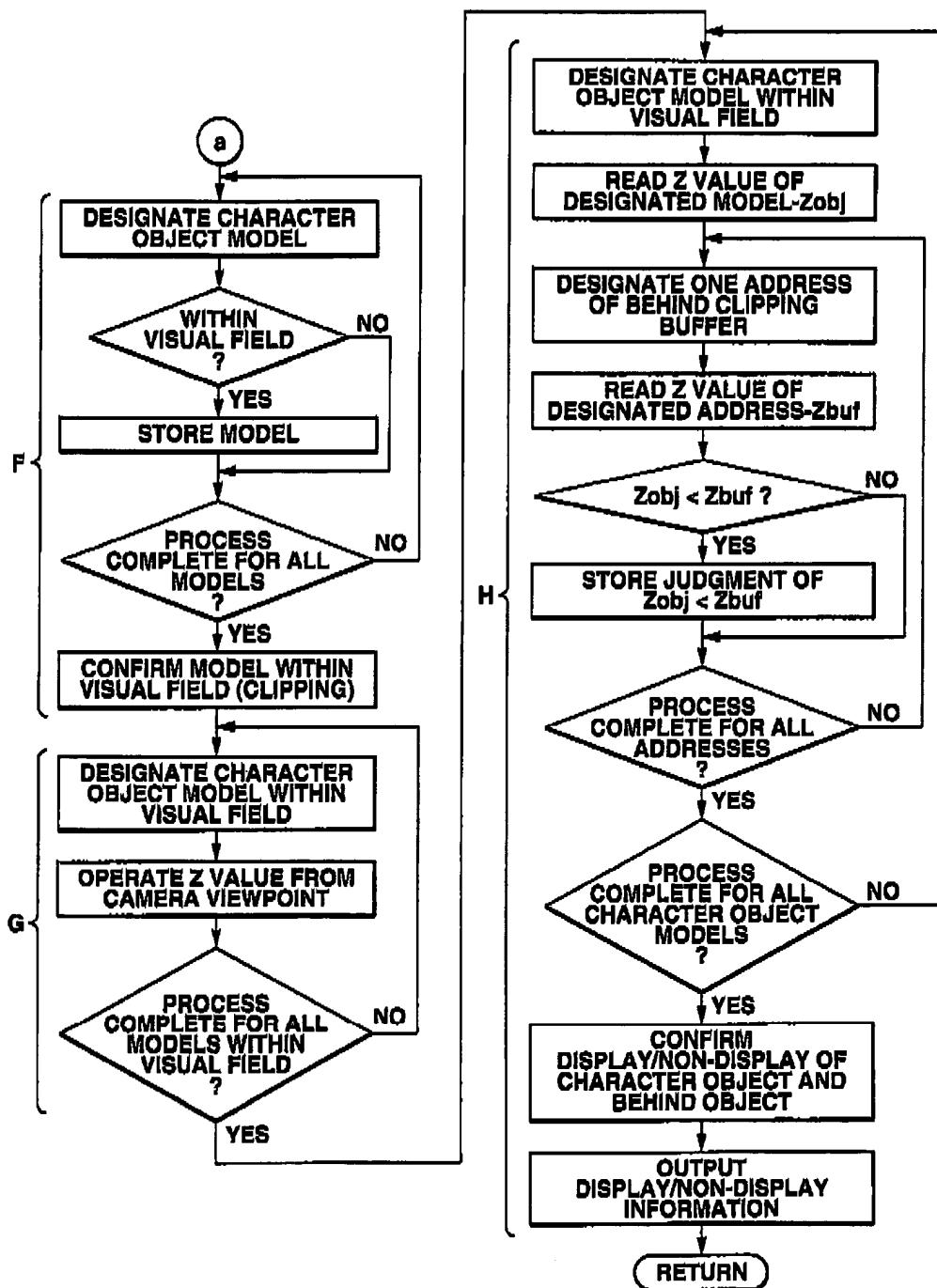


FIG.12

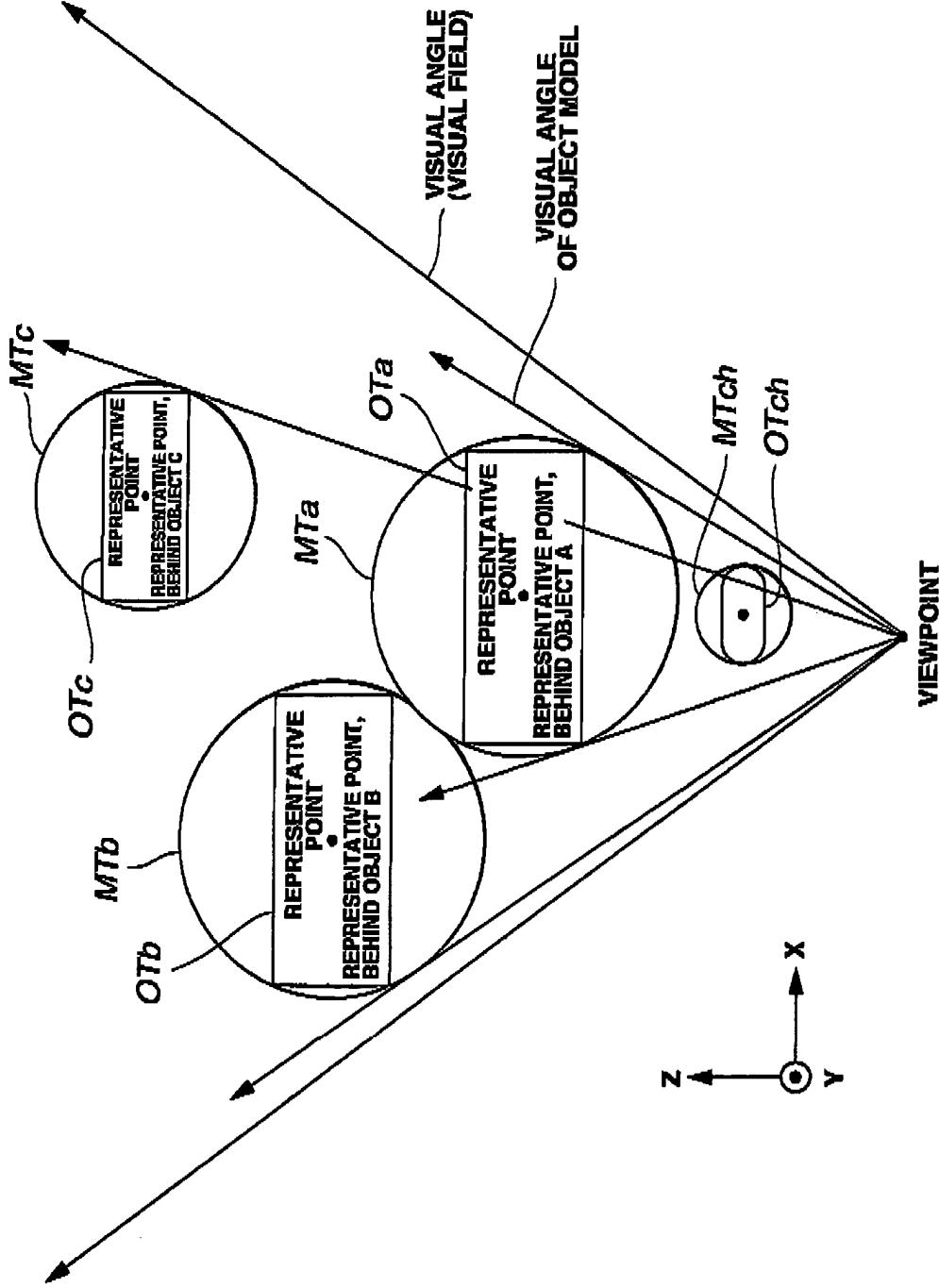


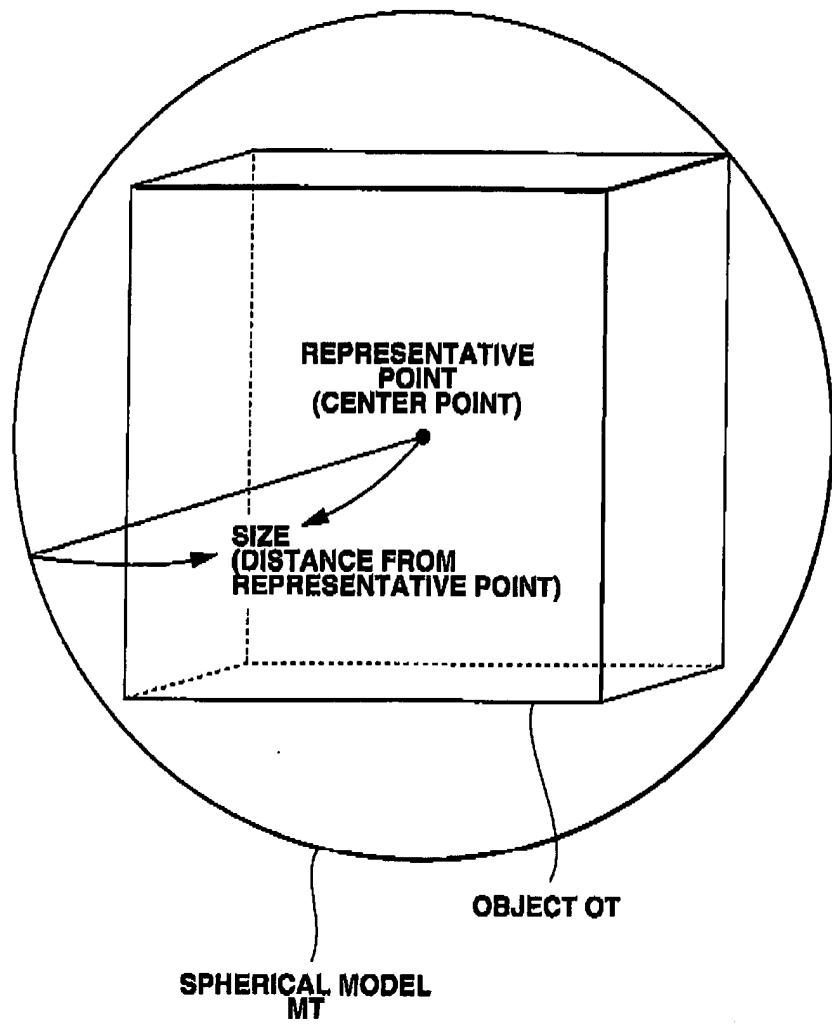
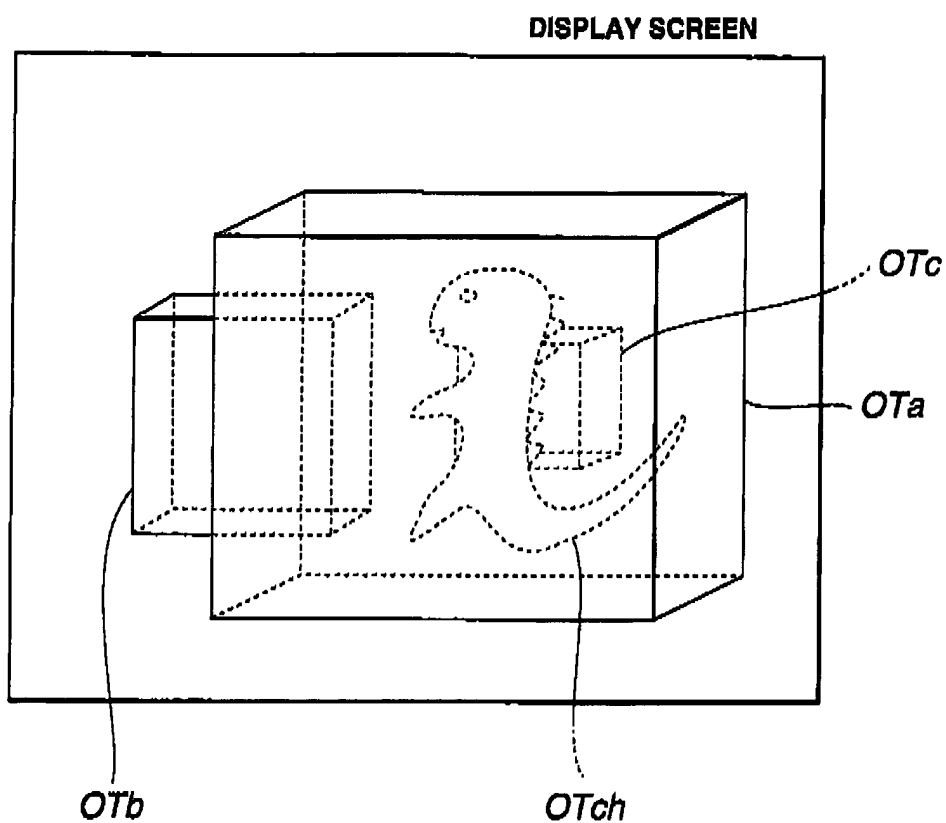
FIG.13

FIG.14

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FIG.15

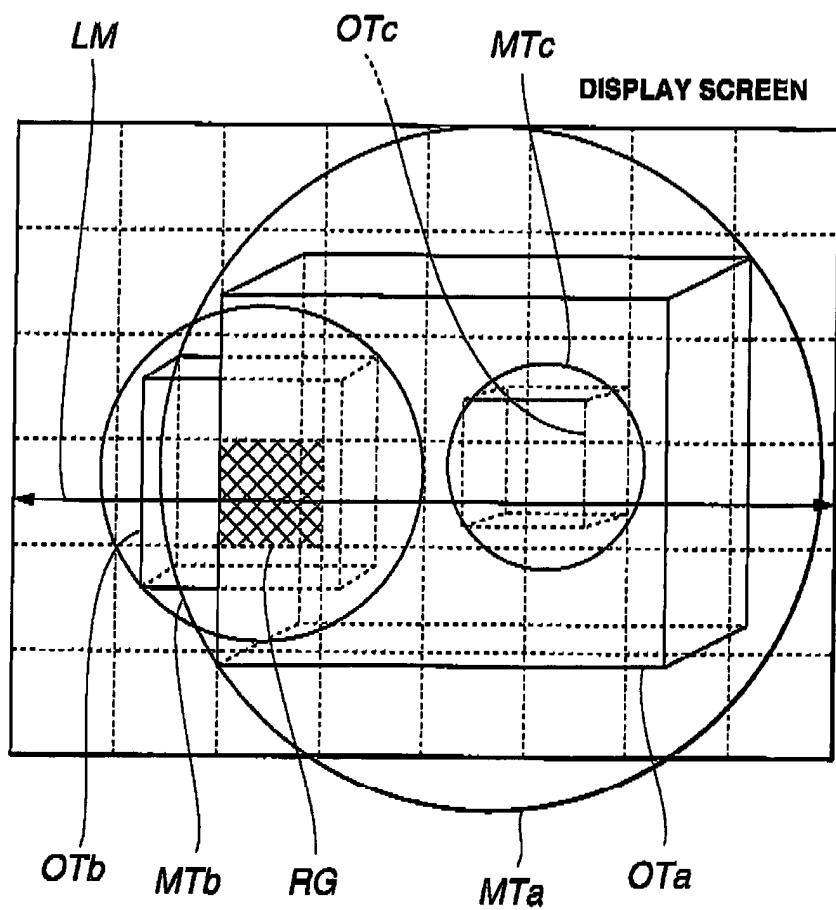


FIG.16